

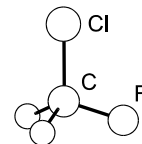
Structure Data of Free Polyatomic Molecules

 96
MW

CH₂ClF
Chlorofluoromethane
C_s
CH₂ClF

r_0	\AA^a	θ_0	deg^a
C–Cl	1.7621(2)	Cl–C–F	110.1(5)
C–F	1.370(1)	Cl–C–H	109.4(30)
C–H	1.09(1)	H–C–H	110.4(50)

Atom	a_0 [\AA]	b_0 [\AA]	c_0 [\AA]
C	–0.54910	–0.63324	0.0
Cl	1.05057	0.10566	0.0
F	–1.516	0.337	0.0
H	–0.67	–1.2428	0.893512
H	–0.67	–1.2428	–0.893512


^a) Twice the estimated standard errors.

 Blanco, S., Lesarri, A., López, J.C., Alonso, J.L., Guarnieri, A.: J. Mol. Spectrosc. **174** (1995) 397.

 Replaces [II/25B\(3, 196\)](#)